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| **MATH**  Objective & Instructions:  Learn systems of measure.  **Standard Measurement**  DISTANCE  1 Mile = 1760 yards  1 Yard = 3 feet, 36 inches  1 Foot = 12 inches, 1/3 yard  1 Inch = 2 half inches or 4 quarter inches  VOLUME  1 Gallon = 2 half gallons,  4 quarts  1 Quart = 2 pints  1 Pint = 2 cups  1 Cup = 2 half cups, 3 -1/3 cups, 4 quarter cups    1 Tablespoon = 3 teaspoons  1 Teaspoon=2-½ teaspoons  3 -1/3 teaspoons, 4 -  ¼ teaspoons  WEIGHT  1 Ton = 200 pounds  1 Pound = 16 ounces, 2 -  ½ pounds  **Metric Measurement**  DISTANCE  1 Kilometer = 1000 Meters  1 Meter = 100 Centimeters,  10 Decimeters  1 Centimeter=10 Millimeters  VOLUME  1 Liter = 2 half Liters, 1000 milliliters  WEIGHT  1 Kilogram= 1000 grams  1 Gram = 1000 milligrams  **Reference: http://www.asknumbers.com** | **VOCABULARY**  **Time **: **Duration of wait or action**   Duration: length of time   Wait: time before action   Appointment: designated meeting time Hours Minutes Seconds  **Distance1-dimensional linear space between points or places**  Length & Width: distance across  Height: distance tall  Depth: distance from back to front  Radius: half distance of a circle  Diameter: full width of a circle  Miles Yards Feet Inches  Kilometers Meters Centimeters  **Area** **: 2-dimensional surface between lines and borders**   Area: cumulative linear distances   Surface Area: the top or outer dimensions Miles squared-mi.2 Feet squared-ft.2 Inches squared-in.2 Kilo-meters Squared-km2 Meters Squared -m2 Centimeters Squared-cm2  **Volume  : 3-dimensional proper-ties or measurement of an object**  **** Cube: square with depth   Sphere: circle with depth   Contents: quantity that fits inside   HxWxD: formula to compute volume of a rectangular object  Liter Milliliter Inches cubed-in3  Meters cubed-m3 Yards cubed-yd3  **Weight  measure of heaviness**  Tons Pounds Ounces  Kilograms Grams  **Speed:** **distance traveled in a specific amount of time; Velocity**  MPH – Miles per Hour  V=d/t – velocity = distance / time  **Reference: http://www2.franciscan.edu/** | **ORGANIZATION**  Objective: Select the right measurement.  What do you use to calculate a work day? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to figure out the contents that can fit in a box. \_\_\_\_\_\_\_\_\_\_\_  What do you use to figure out your motion in a car? \_\_\_\_\_\_\_\_\_\_\_\_  You need to know how far it is from Chicago to Minneapolis. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to mix lemonade in the correct proportions. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to know the measurement of ocean between land masses. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to use 3lbs. Of potatoes for the recipe. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to know all the dimensions of a project.\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to know how large your dog is.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  You need to know when your friend is showing up. \_\_\_\_\_\_\_\_\_  **CLASS14.5** |

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| **LETTER-EMAIL** May 5, 2014  To: [NissanInfo@Nissan.com](mailto:NissanInfo@Nissan.com)  Re: Warranty on car  Dear Warranty Maintenance:  I received the recall on the muffler on my Nissan GT-R, Vin#20137789000534448. I would like to make an appoint-ment to run repairs on June 10.  Regards,  Jast Jarl\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **RECIPE**  **Spinach & Mushroom Omelet**  Ingredients:  3 Eggs  1/3 lb. of spinach  ½ lb. of mushrooms  2 T. of cooking oil  Directions: Chop spinach and mushrooms. Mix with eggs. Heat oil in skillet. Pour in egg mixture and sauté until firm. Serve.\_\_\_\_    **MEMO**  **Attention all Office Personnel:**  We will be leaving at 2pm for the New Year's Eve holiday.  **Happy New Year!**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **PLAY**  (Stage directions) *She sweeps out, closing the door behind her. Roger hands the menu back to Ferris, abruptly, and clings on to him, desperately.*  ROGER Ferris? My wife’s down there!  FERRIS I Know!  ROGER You’ll have to do something.  FERRIS Me?  ROGER Yes!  FERRIS Why me?  ROGER That’s what hotel manage-ment’s all about. Looking after the customers.\_  Reference: Bedside Manners, A Comedy by Derek Benfield. Samuel French Ltd, London, UK ©1990. | **RESEARCH**  The Gallup Poll  Public Opinion 2002, January 4  DRAFTING WOMEN FOR THE MILITARY  Interview Date: 12/14-16/01  CNN/USA Today/Gallup Poll  Survey # GO 135256  *Next, I will read you a list of jobs in the military that are considered combat jobs. Do you favor or oppose having women do each of the following?*  FAVOR OPPOSE   |  |  |  | | --- | --- | --- | | Flying combat aircraft | 77.00% | 21.00% | | Serving on submarines | 73.00% | 24.00% | | Serving on Special Forces that conduct operations behind enemy lines | 63.00% | 35.00% | | Serving as ground combat troops | 52.00% | 46.00% |   **NEWS - CNN.COM**, 1/29/15  **Senate Passes Keystone XL Measure**  **Washington (CNN)**  The Senate passed a bipartisan bill on Thursday to clear construction of the Keystone XL pipeline, a controversial project that would transport oil from Canada to the Gulf of Mexico.  The vote was 62 to 39. Nine mostly centrist Democrats joined with Republicans to support the bill despite President Barack Obama's promise to veto it. The President has said the decision should remain within the executive branch. | | **ADVERTISEMENTS**  1-800  flowers.COM  Let us arrange a  smile for you  [Healing Tears - Lavender and White](http://www.1800flowers.com/sympathy/healing-tears-lavender-white-95420?categoryId=400120054) $49.99-$69.99  Same-Day Local Florist Deliver  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **WANT ADS**  **FOR SALE: L-Shape sectional, grey blue. $50. Call 000-000-0000.**  **FICTION & PROSE**  A good, deep sleep in the morning and afterwards visits, drinking... He remembered Olya, too, of course, with her kittenish, cry-baby, pretty little face. She must be sleeping now and she isn't dreaming of him. These women are soon comforted. If it weren't for Olya he wouldn't be here. She had tricked him, fool that he was. She had needed the money!..He had stolen, been caught and gone to Siberia, but Olya had copped out and hadn't gone of course. Now here silly little head was sunk in a soft lacy pillow and here feet were a long way's off from the dirty snow! (Oskolki, 1883, No. 16)  **Reference: Checkhov's Poetics, translated by Edwina Jannie Cruise & Donald Dragt. Ardis Publishers, 1983.**  **CLASS15** |
| MATH & ORGANIZATION  Objective & Instructions: Get proficient at measurement questions.  **1a)** The duration of time for a 2PM appointment that ended at 3:30 \_\_\_\_\_\_\_. **1b)** The wait time between 2PM and 5PM appointments: \_\_\_\_\_\_\_ .  **2)** You will travel from Chicago, IL and South Bend, IN. (Driving time: 1 hr. 40 min.) **2a)** Total the miles.  **DIRECTIONS** **MILES**   |  |  | | --- | --- | | Start out going north on N LaSalle St toward W Randolph St. | **00.1** | | Take the 1st left onto W Randolph St. | **0.4** | | Keep right at the fork to continue on W Randolph St. | **00.3** | | Merge onto I-90 E/I-94 E via the ramp on the left. | **03.0** | | Keep left to take I-90 (EXPRESS) E/I-94 E/Dan Ryan Expy S toward 55th St. | **03.9** | | Take the I-90 E exit, EXIT 59A, toward Skyway/Indiana Toll Rd. | **00.3** | | Merge onto I-90 (LOCAL) E/I-94 E/Dan Ryan Expy S. | **00.6** | | Merge onto I-90 E via EXIT 59A on the left toward Indiana Toll Rd (Portions toll) (Crossing into Indiana). | **84.0** | | Take the IN-933/US-31 Bus exit, EXIT 77, toward South Bend/Notre Dame. | **01.2** | | Turn right onto Indiana State Route 933/US-31 Bus S/IN-933. Continue to follow US-31 Bus S/IN-933. | **02.5** | | **Welcome to SOUTH BEND, IN.** |  | | ADD TOTAL MILES TRAVELED: |  | | | **2b)** How many minutes does it take to travel a mile on this trip?  (TOTAL MILES/100 minutes)  **3)** There is a park scheduled to be built with 4 borders. The borders are 5 miles, 4 miles, 5 miles, 4 miles.  **3a)** What is the area of the park to be built? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **3b)** There is a recreational building to be put in the park. It is 3 floors tall, 3 floors wide and 2 floors deep. What is the building's volume? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **4)** One package sent equaled 8 pounds. Twenty of the same package would equal \_\_\_\_\_\_\_\_\_\_\_\_ pounds.  **5)** What is the speed of the driving trip from Chicago, IL to South Bend, IN?  **Measurement Equivalents**  **Standard**  3 Feet = \_\_\_\_ Inches = \_\_\_\_\_\_Yards  18 Yards = \_\_\_\_ Feet  18 Inches = \_\_\_\_\_ Feet  17.6 Yards = \_\_\_\_\_ Miles  24 Pounds = \_\_\_\_\_ Ounces  8 Tons = \_\_\_\_\_\_\_ Pounds  8 Cups = \_\_\_\_\_ Pints = \_\_\_\_\_Quarts  15 Quarts= \_\_\_\_\_\_ Gallons  **Metric**  1.8 Kilometers = \_\_\_\_\_\_ Meters  50 Centimeters = \_\_\_\_\_\_ Meter  7 Meters = \_\_\_\_\_\_ Centimeters  840 Grams= \_\_\_\_\_\_ Kilograms  4000 Milligrams = \_\_\_\_\_\_\_ Grams  1 Kilogram = \_\_\_\_\_\_\_\_ Milligrams  10 Liters = \_\_\_\_\_\_\_\_ Milliliters | | |

**CLASS15.5**